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08/422,360	04/17/1995	MICHAEL Z. LOWENSTEIN	HML-201-A-1	7198

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EXAMINER

HUYNH, KIM NGOC

ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

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EXAMINER

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This is in response to the communication filed 5/23/05. The examiner would like to thank the applicant for providing copy of the papers requested in the NOtice of Allowance mailed 2/23/05. In order to clarify the record, the attached 3 pages are the complete text of allowed claims 33-35 and 37-38.



KIM HUYNH
SUPERVISORY PATENT EXAMINER

6/19/08

1 33. A device for reducing currents in an electrical system which supplies power to a nonlinear
2 load from an AC source, comprising:

3 a first passive electrical component connected in series with the nonlinear load;

4 a second passive electrical component connected in parallel to said first passive electrical
5 component;

6 a third passive electrical component connected in parallel to said first and said second passive
7 electrical components;

8 said first, second and third passive electrical components are tuned to a third harmonic
9 frequency of the AC source so as to substantially alter current drawn by the nonlinear load;

10 a housing member for said first, second and third passive electrical components;

11 means for connecting the nonlinear load to said parallel connection of said first, second and
12 third passive electrical components;

13 said connecting means includes an equipment rack panel member connected to said housing
14 so as to mount said housing in an equipment rack storing the nonlinear load; and

15 said equipment rack panel member is substantially perforated so as to allow airflow to pass
16 therethrough.

1 34. A device according to claim 33, wherein:

2 the nonlinear load comprises a computer having a monitor connected thereto.

key

1 35. A device according to claim 34, wherein:
2 said housing member includes electrical connectors for connection to said monitor and said
3 computer.

1 37. A device for reducing currents in an electrical system which supplies power to a nonlinear
2 load from an AC source, comprising:

3 a first passive electrical component connected in series with the nonlinear load;

4 a second passive electrical component connected in parallel to said first passive electrical
5 component;

6 a third passive electrical component connected in parallel to said first and said second passive
7 electrical components;

8 said first, second and third passive electrical components are tuned to a third harmonic
9 frequency of the AC source so as to substantially alter current drawn by the nonlinear load;

10 a housing member for said first, second and third passive electrical components;

11 first means for connecting the nonlinear load to said parallel connection of said first, second
12 and third passive electrical components;

13 second means, connected in series with said parallel connection of said first, second and third
14 passive electrical components, for controlling current levels drawn by the nonlinear load; and

15 said second means comprising a current limiting circuit, a circuit for detecting a rapid rise
16 in current drawn by the nonlinear load, and a switch for automatically deactivating said current
17 limiting circuit based upon signal levels detected by said current detecting circuit.

1 38. A device according to claim 37, wherein:

2 said current limiting circuit maintains a maximum current level drawn by the nonlinear load
3 to between approximately 6 and 8 amps.

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